OMB No. 0651-0027 (exp. 6/30/2008) 01 - 24 -		
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To the Director of the U.S. Patent . 10336	4945	documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and a	address of receiving party(ies)
Hoon Lee Kee-Won Kwon	Name: Samsung	g Electronics Co., Ltd.
	Internal Addres	SS:
Additional name(s) of conveying party(ies) attached? Yes N		
3. Nature of conveyance/Execution Date(s):		S: 416, Maetan-dong,
Execution Date(s) November 22, 2006	Yeongtong-gu	
Assignment Merger	. congrong gu	
Security Agreement Change of Name	City: <u>Suwon-si, C</u>	Gyeonggi-do
Joint Research Agreement	State <sup>:</sup>	
Government Interest Assignment		
Executive Order 9424, Confirmatory License	Country: Repub	lic of Korea Zip:
Other		(s) & address(es) attached? 🗌 Yes 🗹 t
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## ASSIGNMENT

We, Hoon Lee, of 104-504 Lucky Apt., Dobong 1-dong, Dobong-gu, Seoul, Republic of Korea; and Kee-Won Kwon, of 119-3001 Parktown, Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, having invented improvements in MEMORY DEVICE AND METHOD OF OPERATING THE SAME described in an application for Letters Patent of the United States, Serial No. 11/600,552, filed November 16, 2006, for good and valuable consideration, receipt of which is hereby acknowledged from Samsung Electronics Co., Ltd., a Korean corporation having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (and hereinafter called the Assignee, which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee our entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include cach and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration We do also hereby sell, assign, and transfer unto the Assignee, all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other treaties of like purpose in respect of said inventions and said application, and We do hereby authorize the Assignee to apply in our name or its own name or its designee for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

And for the same consideration, We do hereby agree for ourselves and for our heirs, executors, and administrators, promptly upon request of the Assignee to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee, fully to secure to it said right, title, and interest as aforesaid in and to said inventions, applications, and said several patents and like rights of exclusion (including extensions thereof) or any of them, all, however, at the expense of the Assignee, its successors, or assigns;

And We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignee, any and all patents and like rights of exclusion which may be granted in any country upon said United States application on or for said inventions;

And We do hereby covenant for ourselves and our legal representatives and agree with the Assignee, that We have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title, and interest in and to said inventions has not been otherwise encumbered by us, and that We have not executed and will not execute any instruments in conflict herewith.

Page 1 of 2

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PATENT REEL: 018807 FRAME: 0795 First or Sole Inventor:

Signature: Hoon Lee

Kee-Won Kwon

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Date: 2006. 11.22

Second Joint Inventor:

Signature:

Date:\_\_\_\_\_

REFERENCE NO. : SAM-1005 J:SAM\1005Passignment.wpd

Page 2 of 2

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hoon Lee, *et al.* Serial No.: Filing Date: Title:

11/600.552

Examiner: Not yet assigned Group Art Unit: 2827

November 16, 2006

MEMORY DEVICE AND METHOD OF OPERATING THE SAME

## CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail in an envelope addressed to Mail Stop Assignment Recordation Services, Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

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## TRANSMITTAL LETTER

Sir:

Please find enclosed herewith for filing in the above-identified patent application the following:

- Recordation Form Cover Sheet - PTO-1595; 1.
- 2. Executed Assignment;
- 3. PTO-2038 Credit Card Payment Form to cover \$40.00 recordation fee; and
- Return Postcard. 4.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

MILLS & ONELLO LLP

Steven M. Mills Registration Number 36,610 Attorney for Applicants

Date:

Mills & Onello LLP Eleven Beacon Street, Suite 605 Boston, MA 02108 Phone: (617) 994-4900 Facsimile: (617)742-7774 J:\SAM\1005\Assignment\transassign.wpd

> PATENT REEL: 018807 FRAME: 0797

**RECORDED: 01/22/2007**